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(54) **Method of driving a liquid crystal display device.**

(57) A method of driving a liquid crystal that has a memory capability, wherein a reset voltage is initially applied to the liquid crystal during a reset period, to bring about a Fredericks transition in the liquid crystal. During a subsequent selection period, a selection voltage that is selected on the basis of a critical value that brings about one of two metastable states in the liquid crystal is applied to the liquid crystal, and, during a nonselection period that follows the selection period, a nonselection voltage

that is less than or equal to a threshold value that maintains two metastable states is applied to the liquid crystal. A delay period is provided between the reset period and the selection period, in order to gain effective timing for applying the selection voltage to the liquid crystal after the application of the reset voltage has been turned off. This shortens the length of the selection period, and hence the write time.

FIG.2A

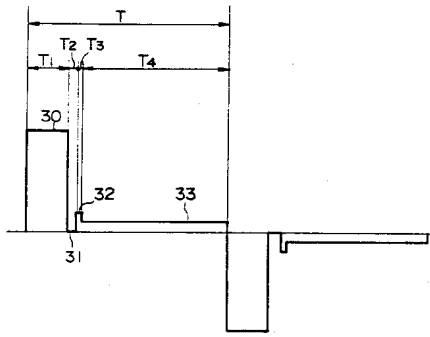
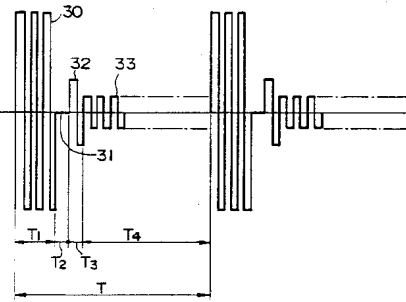


FIG.2B





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## EUROPEAN SEARCH REPORT

Application Number  
EP 94 10 2831

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
Y	US-A-4 701 026 (YAZAKI ET AL.)	1-4,6,7,42-44,46	G09G3/36
A	* Abstract * * column 6, line 62 - column 8, line 2; figures 5A-6,9A-10 * * column 8, line 43 - column 9, line 45 * ---		
Y	EP-A-0 197 743 (INTERNATIONAL STANDARD ELECTRIC CO.)	1-4,6,7,42-44,10,46	
A	* Abstract * * page 12, line 5 - line 33; figures 4-6 * ---		
A	EP-A-0 479 530 (GEC-MARCONI LTD.)	5,8,11,45	
	* Abstract * * column 4, line 13 - line 53; figure 4 * ---		
A	US-A-4 850 676 (YAZAKI ET AL.)	13,28-41,56,61-74	
	* Abstract * * column 26, line 55 - column 28, line 50; figures 47-49,81 * * column 7, line 36 - column 11, line 11; figures 3-11 * ---		TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			G09G
A	EP-A-0 285 402 (CANON K.K.)	18,21-27,46-53	
	* Abstract * * page 10, line 59 - page 11, line 33; figures 4,8,9 * --- -/--		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 June 1995	Examiner Corsi, F
<b>CATEGORY OF CITED DOCUMENTS</b>			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	



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Application Number  
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
A	IEEE TRANSACTIONS ON ELECTRON DEVICES, vol. 36, no. 9-i, September 1989 NEW YORK US, pages 1895-1899, W.J.A.M. HARTMANN 'ferroelectric Liquid-Crystal Video Display' * page 1895, right column, line 1 - page 1896, left column, line 17; figure 2 * ---	1,4,7, 10,42, 44,46, 61,63	
A,P	EP-A-0 569 029 (SEIKO EPSON CO.)  * Abstract * * column 3, line 25 - column 4, line 54; figures 1-3,13 * * column 10, line 6 - column 12, line 1 * * column 16, line 15 - column 17, line 31 * -----	1,3,4, 13,28, 29,42, 43,46, 56,61-63	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30 June 1995	Examiner Corsi, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	